

Dear Colleagues, members of the Chemistry Specialty of the Academy of Engineering:

Regarding the forthcoming votes of the Academy of Engineering, I express my interest in seeking the Presidency of the Chemistry Specialty Committee, so I ask you to vote in this way. During the period 2020-2022, I served as President of that specialty and I want to have continuity in the work we did in that period, during which we organized several working meetings on the Refining Industry in Mexico and actively participated in the assemblies of the academy. In addition, I want to promote more to our Specialty, increasing its membership, organizing more events, and also participating in activities of several Coordination of Programs of the Academy.

My professional development began with the Bachelor of Chemical Engineering of the Faculty of Chemistry of UNAM (1968-1972), where I obtained honorable mention. I joined the Mexican Petroleum Institute in 1972, serving in various positions, the last of which was Director of Process Engineering in 2013. From April 2003 to March 2004, I served as Director General of the National Commission for Energy Savings and from 2013 to date I am the Laboratory Coordinator of the FiiDEM Alliance. Within my activities I collaborated in the development of simulation tools (SIMPROC) and synthesis and process optimization (SINCI and SIMPER), which were applied in more than 100 IMP projects and in more than 10 feasibility studies for PEMEX and international oil companies, as well as in the reconfiguration studies of the six refineries of the National Refining System. In addition, I participated in the design of more than 50 plants of the different refineries of Petróleos Mexicanos and in various studies of operational optimization of industrial complexes, among which are the Combined Distillation plants; Hydrodesulfurization of Naphtha, Coke Naphtha, Intermediate Distillates, Diesel and Deep Diesel; Pentanes and Hexanes Isomerization; Naphtha Reforming, MTBE Production; TAME production; and Fluid Catalytic Disintegration (FCC). It should be noted that, under my leadership, 7 competitions were won for new plants and expansion of the existing 9 in which IMP participated for the international tender of the Reconfiguration of the refinery of Cadereyta, where it competed with international companies. In addition, I directed the Integral Energy Analysis Studies, type "Total Site", for the 5 of the 6 refineries of the National Refining System. For the Natural Gas Processing area, I participated in the design of Bitter Gas Sweeteners plants and in Cryogenic Plants for Liquefied Recovery. I have also been a lecturer in several International Courses inside and outside the country, mainly around Process Engineering and I have presented about 50 papers at national and international congresses, having published 15 of them in both national and international journals.

Among the distinctions I have received three Annual Awards awarded by the IMP for outstanding performance and for merits and excellence in work; I was recognized as a national researcher in the National System of Investigators (1986-1998); I obtained the First Place in Relevant Scientific-Technological Contribution to the Petroleum Industry, in the Area of Technology in Engineering, on the 50th anniversary of Pemex (1988), as well as

the Institutional Prize for Research and Technological Development (1995), presented by the President of the Republic. I was also recognized for "Increasing the Technological Heritage of the IMP" (1997). In May 2005 I entered as a titular academic of the Academy of Engineering. In 2011, I received the IMP Institutional Award for Distinguished Career and the Luis E. Miramontes Cárdenas Award for Innovation, Research and Technological Development in Chemical Engineering, awarded by the Mexican Institute of Chemical Engineers. During 2012, I was a member of the Energy Council of the Reformation Newspaper.